

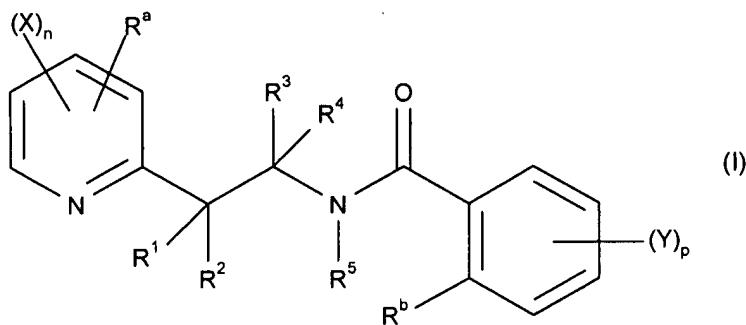
**Application Number 10/582,693**  
**Amendment dated August 21, 2008**  
**Response to Office Action dated May 1, 2008**

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Currently Amended) A compound of general formula (I):



in which:

n is 1, 2, or 3;

p is 1, 2, 3 or 4;

R<sup>a</sup> is a C<sub>1</sub>-C<sub>6</sub>-halogenoalkyl having 1 to 5 halogen atoms;

each substituent X is independently selected from the group consisting of a hydrogen atom, a halogen atom, a C<sub>1</sub>-C<sub>6</sub>-alkyl and a C<sub>1</sub>-C<sub>6</sub>-halogenoalkyl;

R<sup>1</sup> and R<sup>2</sup> are independently selected from the group consisting of a hydrogen atom, a halogen atom, a cyano group, a hydroxy group, an amino group, a sulfanyl group, a formyl group, a formyloxy group, a formylamino group, a carboxy group, a carbamoyl group, a N-hydroxycarbamoyl group, a carbamate group, a (hydroxyimino)-C<sub>1</sub>-C<sub>6</sub>-alkyl group, a

**Application Number 10/582,693**

**Amendment dated August 21, 2008**

**Response to Office Action dated May 1, 2008**

C<sub>1</sub>-C<sub>6</sub>-alkyl, a C<sub>2</sub>-C<sub>6</sub>-alkenyl, a C<sub>2</sub>-C<sub>6</sub>-alkynyl, a C<sub>1</sub>-C<sub>6</sub>-alkylamino, a di-C<sub>1</sub>-C<sub>6</sub>-alkylamino, a C<sub>1</sub>-C<sub>6</sub>-alkoxy, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkyl having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkoxy having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-alkylsulfanyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkylsulfanyl having 1 to 5 halogen atoms, a C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, a C<sub>2</sub>-C<sub>6</sub>-halogenoalkenyloxy having 1 to 5 halogen atoms, a C<sub>3</sub>-C<sub>6</sub>-alkynyloxy, a C<sub>3</sub>-C<sub>6</sub>-halogenoalkynyloxy having 1 to 5 halogen atoms, a C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, a C<sub>3</sub>-C<sub>6</sub>-halogenocycloalkyl having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkylcarbonyl having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-alkylcarbamoyl, a di-C<sub>1</sub>-C<sub>6</sub>-alkylcarbamoyl, a N-C<sub>1</sub>-C<sub>6</sub>-alkyloxycarbamoyl, a C<sub>1</sub>-C<sub>6</sub>-alkoxycarbamoyl, a N-C<sub>1</sub>-C<sub>6</sub>-alkyl-C<sub>1</sub>-C<sub>6</sub>-alkoxycarbamoyl, a C<sub>1</sub>-C<sub>6</sub>-alkoxycarbonyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkoxycarbonyl having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyloxy, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkylcarbonyloxy having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-alkylcarbonylamino, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkylcarbonylamino having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-alkylaminocarbonyloxy, a di-C<sub>1</sub>-C<sub>6</sub>-alkylaminocarbonyloxy, a C<sub>1</sub>-C<sub>6</sub>-alkyloxycarbonyloxy, a C<sub>1</sub>-C<sub>6</sub>-alkylsulphenyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkylsulphenyl having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-alkylsulphanyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkylsulphanyl having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-alkylsulphonyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkylsulphonyl having 1 to 5 halogen atoms, a benzyl, a benzyloxy, a benzylsulfanyl, a benzylsulfinyl, a benzylsulfonyl, a benzylamino, a phenoxy, a phenylsulfanyl, a phenylsulfinyl, a phenylsulfonyl, a phenylamino, a phenylcarbonylamino, a 2,6 dichlorophenyl-carbonylamino group or a phenyl group; or R<sup>1</sup> and R<sup>2</sup> may form together a cyclopropyl, a cyclobutyl, a cyclopentyl or and a cyclohexyl;

**Application Number 10/582,693**

**Amendment dated August 21, 2008**

**Response to Office Action dated May 1, 2008**

R<sup>3</sup> and R<sup>4</sup> are independently selected from the group consisting of a hydrogen atom, a halogen atom, a cyano group, a C<sub>1</sub>-C<sub>6</sub>-alkyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkyl having 1 to 5 halogen atoms, and a phenyl group;

with the proviso that when three of the four substituents R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are a hydrogen atom, then the fourth substituent is not a hydrogen atom;

R<sup>5</sup> is selected from the group consisting of a hydrogen atom, a cyano group, a formyl group, a hydroxy group, a C<sub>1</sub>-C<sub>6</sub>-alkyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkyl having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-alkoxy, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkoxy having 1 to 5 halogen atoms, a C<sub>3</sub>-C<sub>6</sub>-halogenocycloalkyl having 1 to 5 halogen atoms, a C<sub>2</sub>-C<sub>6</sub>-alkenyl, a C<sub>2</sub>-C<sub>6</sub>-alkynyl, a C<sub>1</sub>-C<sub>6</sub>-alkoxy-C<sub>1</sub>-C<sub>6</sub>-alkyl, a C<sub>1</sub>-C<sub>6</sub>-cyanoalkyl, a C<sub>1</sub>-C<sub>6</sub>-aminoalkyl, a C<sub>1</sub>-C<sub>6</sub>-alkylamino-C<sub>1</sub>-C<sub>6</sub>-alkyl, a di-C<sub>1</sub>-C<sub>6</sub>-alkylamino-C<sub>1</sub>-C<sub>6</sub>-alkyl, a C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkylcarbonyl having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-alkyloxycarbonyl, a C<sub>3</sub>-C<sub>7</sub>-cycloalkyl, a C<sub>3</sub>-C<sub>7</sub>-halogenocycloalkyl having 1 to 5 halogen atoms, a C<sub>3</sub>-C<sub>7</sub>-cycloalkyl-C<sub>1</sub>-C<sub>6</sub>-alkyl, a C<sub>1</sub>-C<sub>6</sub>-benzyloxycarbonyl, a C<sub>1</sub>-C<sub>6</sub>-alkoxy-C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl, a C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl and a C<sub>1</sub>-C<sub>6</sub>-halogenoalkylsulfonyl having 1 to 5 halogen atoms;

each substituent Y is independently selected from the group consisting of a hydrogen atom, a halogen atom, a nitro group, a cyano group, a hydroxy group, an amino group, a sulfanyl group, a pentafluoro- $\square^6$ -sulfanyl group pentafluoro- $\lambda^6$ -sulfanyl group, a formyl group, a formyloxy group, a formylamino group, a carboxy group, a C<sub>1</sub>-C<sub>8</sub>-alkyl, a C<sub>1</sub>-C<sub>8</sub>-halogenoalkyl having 1 to 5 halogen atoms, a C<sub>2</sub>-C<sub>8</sub>-alkenyl, a C<sub>2</sub>-C<sub>8</sub>-alkynyl, a C<sub>1</sub>-C<sub>8</sub>-alkylamino, a di-C<sub>1</sub>-C<sub>8</sub>-alkylamino, a C<sub>1</sub>-C<sub>8</sub>-alkoxy, a C<sub>1</sub>-C<sub>8</sub>-halogenoalkoxy having 1 to 5 halogen atoms, a

**Application Number 10/582,693**

**Amendment dated August 21, 2008**

**Response to Office Action dated May 1, 2008**

C<sub>1</sub>-C<sub>8</sub>-alkoxy-C<sub>2</sub>-C<sub>8</sub>-alkenyl, a C<sub>1</sub>-C<sub>8</sub>-alkylsulfanyl, a C<sub>1</sub>-C<sub>8</sub>-halogenoalkylsulfanyl having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>8</sub>-alkoxycarbonyl, a C<sub>1</sub>-C<sub>8</sub>-halogenoalkoxycarbonyl having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>8</sub>-alkylcarbonyloxy, a C<sub>1</sub>-C<sub>8</sub>-halogenoalkylcarbonyloxy having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>8</sub>-alkylsulphenyl, a C<sub>1</sub>-C<sub>8</sub>-halogenoalkylsulphenyl having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>8</sub>-alkylsulphanyl, a C<sub>1</sub>-C<sub>8</sub>-halogenoalkylsulphanyl having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>8</sub>-alkylsulphonyl, a C<sub>1</sub>-C<sub>8</sub>-halogenoalkylsulphonyl having 1 to 5 halogen atoms **or** and a C<sub>1</sub>-C<sub>8</sub>-alkylsulfonamide; and

R<sup>b</sup> is selected from the group consisting of a halogen atom, a nitro group, a cyano group, an amino group, a sulfanyl group, a pentafluoro-λ<sup>6</sup>-sulfanyl group, a formyl group, a formyloxy group, a formylamino group, a carboxy group, a C<sub>1</sub>-C<sub>6</sub>-alkyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkyl having 1 to 5 halogen atoms, a C<sub>2</sub>-C<sub>6</sub>-alkenyl, a C<sub>2</sub>-C<sub>6</sub>-alkynyl, a C<sub>1</sub>-C<sub>6</sub>-alkylamino, a di-C<sub>1</sub>-C<sub>6</sub>-alkylamino, a C<sub>1</sub>-C<sub>6</sub>-alkoxy, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkoxy having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-alkoxy-C<sub>2</sub>-C<sub>6</sub>-alkenyl, a C<sub>1</sub>-C<sub>6</sub>-alkylsulfanyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkylsulfanyl having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-alkoxycarbonyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkoxycarbonyl having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyloxy, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkylcarbonyloxy having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-alkylsulphenyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkylsulphenyl having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-alkylsulphanyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkylsulphanyl having 1 to 5 halogen atoms, a C<sub>1</sub>-C<sub>6</sub>-alkylsulphonyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkylsulphonyl having 1 to 5 halogen atoms **or** and a C<sub>1</sub>-C<sub>6</sub>-alkylsulfonamide;

as well as its salts, N-oxides, metallic complexes, metalloidic complexes and a salt, N-oxide, or optically active isomers isomer thereof.

**Application Number 10/582,693**  
**Amendment dated August 21, 2008**  
**Response to Office Action dated May 1, 2008**

2. (Previously Presented) The compound of claim 1 wherein n is 1 or 2.

3. (Previously Presented) The compound of claim 1 wherein X is a halogen atom.

4. (Previously Presented) The compound of claim 3 wherein X is chlorine.

5. (Previously Presented) The compound of claim 1 wherein R<sup>a</sup> is -CF<sub>3</sub>.

6. (Previously Presented) The compound of claim 1 wherein the 2-pyridyl is substituted in the 3- and/or in the 5-position.

7. (Previously Presented) The compound of claim 6 wherein the 2-pyridyl is substituted in the 3-position by X and in the 5-position by R<sup>a</sup>.

8. (Previously Presented) ~~A The compound according to of claim 1, characterised in that~~ wherein the 2-pyridyl is substituted in the 3-position by -Cl and in the 5-position by -CF<sub>3</sub>.

9. (Currently Amended) The compound of claim 1 wherein R<sup>b</sup> is selected from the group consisting of a halogen atom, a C<sub>1</sub>-C<sub>6</sub>-alkyl, a C<sub>1</sub>-C<sub>6</sub>-alkoxy or and a C<sub>1</sub>-C<sub>6</sub>-halogenoalkyl having 1 to 5 halogen atoms.

**Application Number 10/582,693**  
**Amendment dated August 21, 2008**  
**Response to Office Action dated May 1, 2008**

10. (Previously Presented) The compound of claim 1 wherein p is 1.

11. (Previously Presented) The compound of claim 1 wherein each substituent Y is independently selected from the group consisting of a hydrogen atom, a halogen atom and a C<sub>1</sub>-C<sub>6</sub>-alkyl.

12. (Currently Amended) The compound of claim 1 wherein R<sup>1</sup> and R<sup>2</sup> are independently selected from the group consisting of a hydrogen atom, a halogen atom, a cyano group, a hydroxy group, a C<sub>1</sub>-C<sub>6</sub>-alkyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkyl having 1 to 5 halogen atoms, a C<sub>2</sub>-C<sub>6</sub>-alkenyl, a C<sub>1</sub>-C<sub>6</sub>-alkoxy, a C<sub>1</sub>-C<sub>6</sub>-alkylsulfanyl, a C<sub>1</sub>-C<sub>6</sub>-alkylsulfenyl, a C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, a C<sub>1</sub>-C<sub>6</sub>-alkoxycarbonyl, a C<sub>1</sub>-C<sub>6</sub>-alkylcarbonylamino, a C<sub>1</sub>-C<sub>6</sub>-alkoxycarbonyloxy, a C<sub>1</sub>-C<sub>6</sub>-alkoxycarbonylamino or and a phenyl group.

13. (Currently Amended) The compound of claim 12 wherein R<sup>1</sup> and R<sup>2</sup> are independently selected from the group consisting of a halogen atom, a C<sub>1</sub>-C<sub>6</sub>-alkyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkyl having 1 to 5 halogen atoms, and a C<sub>1</sub>-C<sub>6</sub>-alkylcarbonylamino.

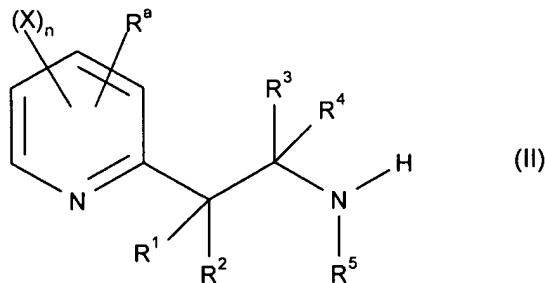
14. (Canceled)

**Application Number 10/582,693**  
**Amendment dated August 21, 2008**  
**Response to Office Action dated May 1, 2008**

15. (Previously Presented) The compound of claim 1 wherein R<sup>3</sup> and R<sup>4</sup> are independently selected from the group consisting of a halogen atom, a C<sub>1</sub>-C<sub>6</sub>-alkyl, a C<sub>1</sub>-C<sub>6</sub>-halogenoalkyl having 1 to 5 halogen atoms and a phenyl group.

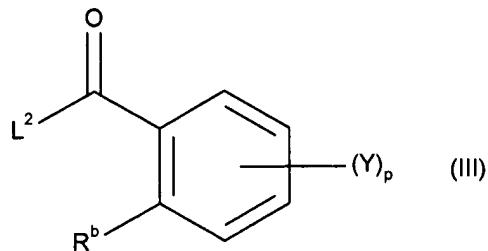
16. (Previously Presented) The compound of claim 1 wherein R<sup>5</sup> is a hydrogen atom or a C<sub>3</sub>-C<sub>7</sub>-cycloalkyl.

17. (Currently Amended) A process for the preparation of a compound of general formula (I) as defined in claim 1, which comprises reacting a 2-pyridine derivative of general formula (II) or one of its salts:

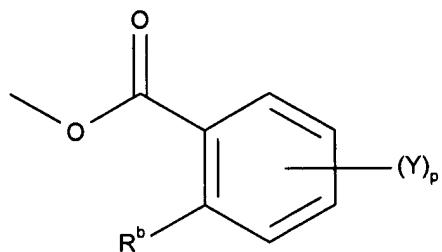


wherein R<sup>5</sup> is hydrogen,  
with a carboxylic acid derivative of the general formula (III)

**Application Number 10/582,693**  
**Amendment dated August 21, 2008**  
**Response to Office Action dated May 1, 2008**

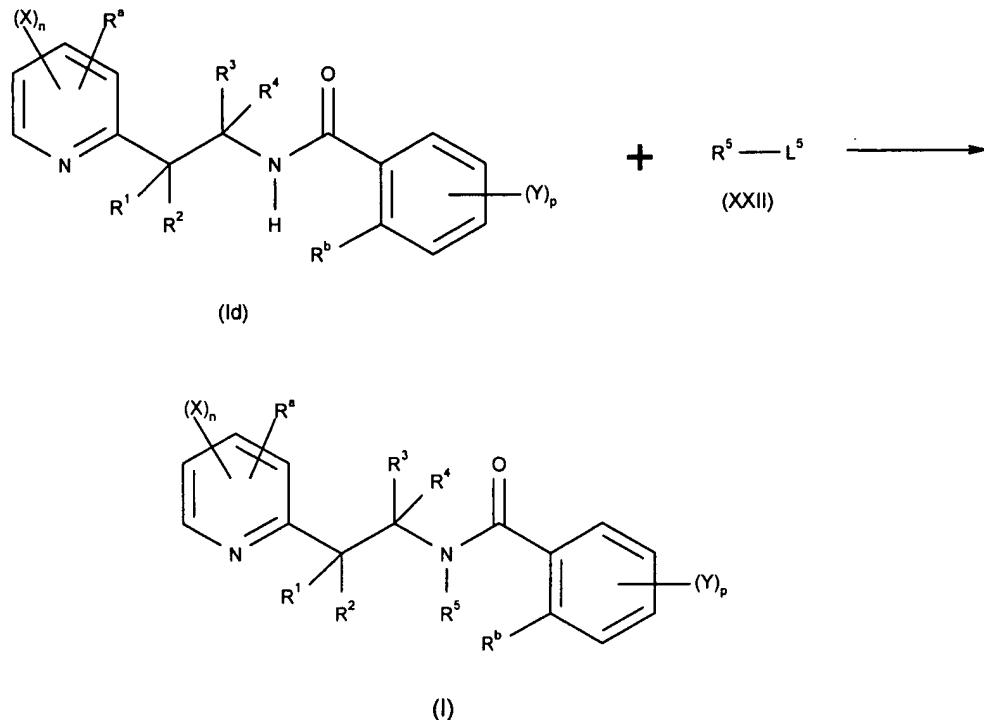


in which:  $\text{L}^2$  is a leaving group selected from the group consisting of a halogen atom, a hydroxyl group,  $-\text{OR}^6$ ,  $-\text{OCOR}^6$ ,  $\text{R}^6$  being a  $\text{C}_1\text{-C}_6$  alkyl, a  $\text{C}_1\text{-C}_6$  haloalkyl, a benzyl, 4-methoxybenzyl, pentafluorophenyl, and a group of the formula



in the presence of a catalyst and, if  $\text{L}^2$  is a hydroxyl group, in the presence of a condensing agent; then completing the process by a step according to the following reaction scheme:

**Application Number 10/582,693**  
**Amendment dated August 21, 2008**  
**Response to Office Action dated May 1, 2008**



in which: L<sup>5</sup> is a leaving group chosen as being a halogen atom, a 4-methyl phenylsulfonyloxy or a methylsulfonyloxy;  
comprising the reaction of a compound of general formula (Id) with a compound of general formula (XXII) to provide a compound of general formula (I).

18 -20. (Canceled)